RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/885,914 A

Source: O\PE-

Date Processed by STIC: 1/28/04

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,

2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 703-308-4212; FAX: 703-308-4221

Effective 12/13/03: TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE <u>CHECKER VERSION 4.1 PROGRAM</u>, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

http://www.uspto.gov/web/offices/pac/checker/chkr41note.htm

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail. Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom. <u>Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:</u>

1. EFS-Bio (**<http://www.uspto.gov/ebc/efs/downloads/documents.htm>**, EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry directly to (EFFECTIVE 12/01/03):
   U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 10/08/03

ERROR DETECTED   **SUGGESTED CORRECTION**   SERIAL NUMBER: *09/885,919 A*

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

1____Wrapped Nucleics   The number/text at the end of each line "wrapped" down to the next line. This may occur if your file
    Wrapped Aminos   was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will
                       prevent "wrapping."

2____Invalid Line Length   The rules require that a line not exceed 72 characters in length. This includes white spaces.

3____Misaligned Amino   The numbering under each 5th amino acid is misaligned. Do not use tab codes between numbers;
    Numbering   use space characters, instead.

4____Non-ASCII   The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please
                        ensure your subsequent submission is saved in ASCII text.

5____Variable Length   Sequence(s)____contain n's or Xaa's representing more than one residue. Per Sequence Rules,
                        each n or Xaa can only represent a single residue. Please present the maximum number of each
                        residue having variable length and indicate in the <220>-<223> section that some may be missing.

6____PatentIn 2.0   A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid
    "bug"   sequences(s) _____. Normally, PatentIn would automatically generate this section from the
                       previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to
                       the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for
                       Artificial or Unknown sequences.

7____Skipped Sequences Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence:
    (OLD RULES)   (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
                       (i)   SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)
                       (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
                       This sequence is intentionally skipped

                       Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.

8____Skipped Sequences Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence.
    (NEW RULES)   <210> sequence id number
                       <400> sequence id number
                       000

9____Use of n's or Xaa's   Use of n's and/or Xaa's have been detected in the Sequence Listing.
    (NEW RULES)   Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.
                       In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.

10____Invalid <213>   Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or
     Response   scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or
                       is Artificial Sequence

11__✓_Use of <220>   Sequence(s) _2,3_
                       Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or
                       "Unknown." Please explain source of genetic material in <220> to <223> section.
                       (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32)   (Sec. 1.823 of Sequence Rules)

12____PatentIn 2.0   Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file,
     "bug"   resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence
                       listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.

13____ Misuse of n/Xaa "n" can only represent a single nucleotide; "Xaa" can only represent a single amino acid

RAW SEQUENCE LISTING   DATE: 01/28/2004
PATENT APPLICATION: **US/09/885,914A**   TIME: 09:50:15

Input Set : **N:\DA\pto.da.txt**
Output Set: **N:\CRF4\01272004\I885914A.raw**

```
   3 <110> APPLICANT: DUBOIS, Claire
   5 <120> TITLE OF INVENTION: USE OF FURIN AND FURIN-LIKE PROTEASE INHIBITORS IN THE
TREATMENT OF
   6       INFLAMMATORY OR MATRIX REMODELLING DISEASES
   8 <130> FILE REFERENCE: 85761-28
  10 <140> CURRENT APPLICATION NUMBER: US 09/885,914A
  11 <141> CURRENT FILING DATE: 2001-06-22
  13 <150> PRIOR APPLICATION NUMBER: US 60/213,995
  14 <151> PRIOR FILING DATE: 2000-06-26
  16 <150> PRIOR APPLICATION NUMBER: CA 2,312,109
  17 <151> PRIOR FILING DATE: 2000-06-23
  19 <160> NUMBER OF SEQ ID NOS: 3
  21 <170> SOFTWARE: PatentIn version 3.0
  23 <210> SEQ ID NO: 1
  24 <211> LENGTH: 4
  25 <212> TYPE: PRT
  26 <213> ORGANISM: Homo sapiens
  28 <220> FEATURE:
  29 <221> NAME/KEY: SITE
  30 <222> LOCATION: (1)..(4)
  31 <223> OTHER INFORMATION: Reactive site of alpha1-antitrypsin
  34 <400> SEQUENCE: 1
  36 Ala Ile Pro Met
  37 1
  39 <210> SEQ ID NO: 2
  40 <211> LENGTH: 4
  41 <212> TYPE: PRT
  42 <213> ORGANISM: Artificial Sequence
  44 <220> FEATURE:
  45 <221> NAME/KEY: MUTAGEN
  46 <222> LOCATION: (1)..(1)
  47 <223> OTHER INFORMATION: Variant of reactive site of alpha1-antitrypsin in which
Ala355 (position
  48       1) has been replaced with Arg
  51 <220> FEATURE:
  52 <221> NAME/KEY: MUTAGEN
  53 <222> LOCATION: (4)..(4)
  54 <223> OTHER INFORMATION: Variant of reactive site of alpha1-antitrypsin in which
Met358 (position
  55       4) has been replaced with Arg
  58 <400> SEQUENCE: 2
  60 Arg Ile Pro Arg
  61 1
  63 <210> SEQ ID NO: 3
```

[Handwritten annotations: "Does Not Comply — Corrected Diskette Needed (Pg. 1-3)"; "please explain, see item #11 on error summary sheet."]

```
64 <211> LENGTH: 4
65 <212> TYPE: PRT
```

66 <213> ORGANISM: Artificial Sequence — _Same error_

68 <220> FEATURE:
69 <221> NAME/KEY: MOD_RES
70 <222> LOCATION: (1)..(1)
71 <223> OTHER INFORMATION: Arg at position 1 is modified at its amino group with a
decanoyl group
74 <220> FEATURE:
75 <221> NAME/KEY: MOD_RES
76 <222> LOCATION: (4)..(4)
77 <223> OTHER INFORMATION: Arg at position 4 is modified at its carboxyl group with a –
CH2Cl group
81 <400> SEQUENCE: 3
83 Arg Val Lys Arg
84 1

RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 01/28/2004
PATENT APPLICATION: **US/09/885,914A**   TIME: 09:50:16

Input Set : **N:\DA\pto.da.txt**
Output Set: **N:\CRF4\01272004\I885914A.raw**

Invalid Line Length:
The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:2; Line(s) 47,54

VERIFICATION SUMMARY   DATE: 01/28/2004
PATENT APPLICATION: **US/09/885,914A**   TIME: 09:50:16

Input Set : **N:\DA\pto.da.txt**
Output Set: **N:\CRF4\01272004\I885914A.raw**